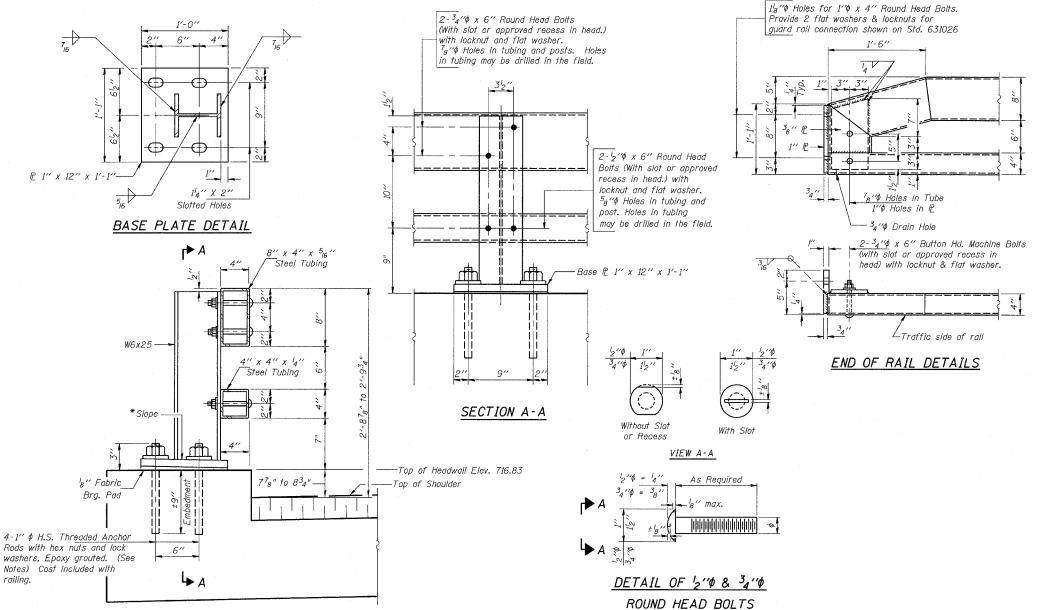
SHEET NO. 912 SHEETS 64424



NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, Structural Steel Tubing and shall meet the longitudinal CVN requirements of 15 ft-lbs at 0°F.

All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36 except posts shall conform to AASHTO M 270, Grade 50.

Bolts, cap screws and nuts shall conform to the requirements of ASTM designation A 307 except that threaded rods, nuts and washers shall conform to AASHTO M 164.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized according to AASHTO M 232.

All posts, railing, rail splices and anchor rods shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. Galvanized rail shall not be painted.

Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for STEEL BRIDGE RAIL.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.

Provide one $^{l}_{8}$ " and two $^{l}_{16}$ " steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.

The Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with premeasured amounts of the adhesive chemical

Nuts for $1''\emptyset$ threaded anchor rods connecting the base plate to the concrete shall be tightened to a snug fit and given an additional $\frac{1}{8}$ turn.

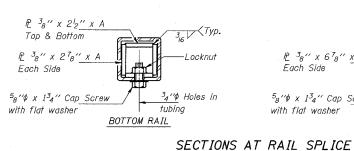
BILL OF MATERIAL

Item	Unit	Quantity
Steel Bridge Rail	Foot	85

SPLICE DIMENSIONS

	D	A	В	С	Ε
Rail Splice	14"	1'-8''	2"	4"	

SECTION AT RAIL POST



P. 38" x 212" x A Top & Bottom P 38" x 678" x A —Locknui Each Side ⁵₈"¢ x 1³₄" Cap Screw ³₄′¢ Holes in with flat washer tubina TOP RAIL

PLAN-BOTT. SPLICE P **TYPICAL**

2½" Top Rail

2½" Bott. Rail

¹₄′′ at rail splice

D at exp. jt. at 50° F.

-Locknut

"_{I6} "Φ Holes

STEEL BRIDGE RAIL IL RTE 26 OVER LIME CREEK F.A. RTE 316 SECTION 115 (BR-1) BUREAU COUNTY STATION 1300+69.5



RANDOLPH & ASSOCIATES, INC. 136.101

(6'-3" Maximum Post Spacina)

S.N. 006-2017